DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

<u>Japan</u> Citizenship

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SURFACE TOPOLOGY AND GEOMETRY RECONSTRUCTION FROM WIRE-FRAME MODELS the specification of which (check one) is attached hereto. X was filed on August 25, 2000 as United States Application Number 09/648,139 or PCT International Application Number and was amended on (if applicable) I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or \$365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application, having a file particle before that of the application on which priority is claimed:

Prior Foreign Application(s) Prior Foreign Applica Priority Claimed on(s) 1700 h 5 2001 (Day/Month/Year Filed) (Number) (Country) Yes _ (Day/Month/Year Filed) (Country) (Number) Yes _ BAREN (Day/Month/Year Filed) (Number) (Country) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. (Filing Date) (Application Number) (Filing Date) (Application Number) I hereby claim the benefit under 35 U.S.C. §120 of any United States Application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States, or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned) (Filing Date) (Status) (patented, pending, abandoned) (Application Serial No.) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon. POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and Manny W. Schecter (Reg. 31,722), Lauren Bruzzone (Reg. 35,082), Christopher A. Hughes (Reg. 26,914), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Douglas W. Cameron (Reg. 31,596), Marc A. Ehrlich (Reg. 39,966), Timothy M. Farrell (Reg. 37,321), Louis P. Herzberg (Reg. 41,500), Derek S. Jennings (Reg. 41,473), Stephen C. Kaufman (Reg. 29,551), Richard M. Ludwin (Reg. 33,010), Daniel P. Morris (Reg. 32,053), Paul J. Otterstedt (Reg. 37,411), Louis J. Percello (Reg. 33,206), Robert P. Tassinari, Jr. (Reg. 36,030), Robert M. Trepp (Reg. 25,933), Marian Underweiser (Reg. 46,134) and Gail H. Zarick (Reg. 43,303) Zarick (Reg. 43,303) Send Correspondence to:_ Stephen C. Kaufman, Intellectual Property Law Dept. IBM Corporation, P.O. Box 218, Yorktown Heights, New York Direct Telephone Calls to: (name and telephone number) Keisuke Inoue Karsuke Full name of sole or first inventor Feb. 1 2002 Inventor's Signature Date <u>5-13-15-301 Higashi-rinkan, Sagamihara-shi, Kanagawa-ken, Japan</u> Residence

Same as above Post Office Address

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Kenji Shimada Full name of second joint-inventor, if any		
Inventor's signature	Date Feb	ruary 8,2001
1704 La Costa Court, Pittsburgh, PA 15237 Residence		
same as above Post Office Address		
Full name of third joint-inventor, if any		
Inventor's signature	Date	
Residence		
Citizenship		,
Post Office Address		
Full name of fourth joint-inventor, if any		ee in the the contract of the contract of th
Inventor's Signature	Date	
Residence		
Citizenship		
Post Office Address		
Full name of fifth joint inventor, if any		
Inventor's Signature	Date	
Residence		
Citizenship		
Post Office Address		
Full name of sixth joint-inventor, if any		
Inventor's signature	Date	

Citizenship

Residence

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first

and joint inventor (if plural name patent is sought on the invention		the subject matter which is claimed a	and for which a
SURFACE TOPOLOGY AND GEOMETRY RE	CONSTRUCTION FROM WIRE-	FRAME MODELS	
the specification of which (check	one)		
is attached hereto.	_	•	
X was filed on August 25, 2000	as United States	Application Number 09/648,139	
or PCT International Applic	cation Number		
and was amended on	(if ap	plicable)	
I hereby state that I have reviewed the claims, as amended by any amen		ontents of the above identified specif	fication, includin
I acknowledge the duty to disclose cordance with Title 37, Code of Fe		material to the patentability of this ion 1.56.	application in ac
. I hereby claim foreign priority be	nefits under Title 35,	United States Code, '119(a)-(d) or '36	55(b) of any for-
designated at least one country of	her than the United Sta ication for patent or i	or '365(a) of any PCT International ates, listed below and have also identificate, or PCT Internation which priority is claimed:	ified below, by
Prior Foreign Application (B)	.		Priority Claime
(Number)	(Country)	(Day/Month/Year Filed)	Yes No
(Number) 6 (Number) 15	(Country)	(Day/Month/Year Filed)	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	Yes No
TRADENT		•	
I hereby claim the benefit under 3	5 U.S.C. 119(e) of any	United States provisional application	n(s) listed below.
(Application Number)	(Filing Date)		
(Application Number)	(Filing Date)		
national application designating the claims of this application is in the manner provided by the first paterial to the patentability of this	he United States, listent not disclosed in the praragraph of 35 U.S.C. ' s application as define	ited States Application(s), or '365(c) d below and, insofar as the subject mile or United States, or PCT Internation 112, I acknowledge the duty to discloid in 37 CFR '1.56 which occurred betwional filing date of this application	matter of each of mal application in se information ma- een the filing dat
(Application Serial No.)	(Filing Date)	(Status) (patented, pend	ing, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pend	ing, abandoned)
information and belief are believed that willful false statements and t	d to be true; and furth the like so made are pu d States Code and that	n knowledge are true and that all sta er that these statements were made wi nishable by fine or imprisonment, or willful false statements may jeopardi	th the knowledge both, under Sec-
		the following attorney(s) and/or agen and Trademark Office connected therew	
(Reg. 26,914), John E. Hoel W. Cameron (Reg. 31,596), Ma 37,321), Louis P. Herzberg Kaufman (Reg. 29,551), Richa Paul J. Otterstedt (Reg. 37,	(Reg. 26,279), Jos arc A. Ehrlich (Reg (Reg. 41,500), Dere ard M. Ludwin (Reg. 411), Louis J. Per . Trepp (Reg. 25,93	one (Reg. 35,082), Christopher seph C. Redmond, Jr. (Reg. 18, g. 39,966), Timothy M. Farrell ek S. Jennings (Reg. 41,473), 33,010), Daniel P. Morris (R ccello (Reg. 33,206), Robert P 33), Marian Underweiser (Reg.	753), Douglas (Reg. Stephen C. eg. 32,053), . Tassinari,
Send Correspondence to: Stephen (C. Kaufman. Intellectua	l Property Law Dept.	
IBM Corpo	oration, P.O. Box 218,	Yorktown Heights, New York 10598	
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DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

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Full name of second joint-inventor, if any		
Inventor's signature	Date	
1704 La Costa Court, Pittsburgh, PA 15237		
Residence		
<u>Japan</u> Citizenship		
	?	
same as above Post Office Address		
Post Office Address		
Full name of third joint-inventor, if any		
Tourshards edenature	Date	
Inventor's signature		•
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Residence		
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Citizenship		
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Post Office Address		
	ya e	
Full name of fourth joint-inventor, if any		
Inventor's Signature	Date	
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Residence		
Citizenship		
Citizenanip		
D. J. OSSI in Baldware		
Post Office Address		
Full name of fifth joint inventor, if any		
Full hame of filter joint inventor, it any		•
	Dobo	
Inventor's Signature	Date	
Residence		-
Citizenship		
Post Office Address		
Pull name of sixth joint-inventor, if any		
Inventor's signature	Date	
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Residence		
Citizenship	 	
Post Office Address		
Post Office Address		